Certificate # 2951.01

RF EXPOSURE REPORT

Applicant	Flashbay Electronics
Address	Blgd b & C Xi Feng Cheng No.2 FuYuan Road, FuYong Town, ShenZhen, China.

Manufacturer or Supplier	Flashbay Electronics
Address	Blgd b & C Xi Feng Cheng No.2 FuYuan Road, FuYong Town, ShenZhen, China.
Product	Bluetooth Speaker
Brand Name	N/A
Model	Tab
Additional Model & Model Difference	Ray, Jet, Seed; See items 1
Date of tests	Apr. 12, 2017 ~ Jun. 21, 2017

☒ **FCC Part 2 (Section 2.1091)**

☒ **KDB 447498 D01**

☒ **IEEE C95.1**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Andy Zhu Project Engineer / EMC Department	Approved by Glyn He Supervisor/ EMC Department
	 Date: Jun. 26, 2017

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FS170412N004	Original release	Jun. 26, 2017

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1. CERTIFICATION

FCC ID:	2ALRV-RTJS1701
PRODUCT:	Bluetooth Speaker
BRAND NAME:	N/A
MODEL NO.:	Tab
ADDITIONAL NO.:	Ray, Jet, Seed
APPLICANT:	Flashbay Electronics
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

NOTE:

1. Additional models Ray, Jet, Seed are identical with the test model Tab, except the model number for marketing purpose.

2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

FREQUENCY RANGE (MHz)	ELECTRIC FIELD STRENGTH (V/m)	MAGNETIC FIELD STRENGTH (A/m)	POWER DENSITY (mW/cm^2)	AVERAGE TIME (minutes)
LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE				
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm^2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	2	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The tuned conducted Average Power (declared by client)

Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
2402-2480	-8	+-2	-10	-6

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2480	-7.21
8DPSK	2480	-7.42

FREQUENCY BAND (MHz)	UPPER TOLERANCE (DBM)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm^2)	LIMIT (mW/cm^2)
2402-2480	-6	2	20	0.00008	1.0

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